

# **NOTICE:**

There are two page 14's in the attachment.  
However, each has different information. No  
pages are missing from this document.

The Administrative Record Staff

CORRES CONTROL  
\*INCOMING LTR NO



## Department of Energy

ROCKY FLATS FIELD OFFICE  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

MAR 9 2 23 PM '95

MAR 8 1995

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EG&G  
ROCKY FLATS PLANT  
CORRESPONDENCE CONTROL

95-DOE-08211

[illegible]

Mr. Martin Hesmark  
U.S. Environmental Protection Agency, Region VIII  
ATTN: Rocky Flats Project Manager, 8HWM-RI  
999 18th Street, Suite 500, 8WWM-C  
Denver, Colorado 80202-2405

Mr. Joe Schieffelin, Unit Leader  
Hazardous Waste Facilities  
Colorado Department of Public Health and the Environment  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

Gentlemen

There appears to be some confusion regarding milestone dates in letters from the agencies and Table 5-1 of the Proposed Action Memorandum (PAM) for the Seep Collection and Treatment at Operable Unit (OU) No. 7. The purpose of this letter is to clarify the dates of milestones relating to the PAM and OU 7.

Enclosed is a copy of the Final PAM (Enclosure 1). The document received by the agencies in December 1994 did not meet the format requirements for EG&G controlled documents. The only changes that have been made are editorial in nature. The introduction to Table 5-1 of this document states that the PAM milestones "complement" the Table 6 milestones in the Interagency Agreement (IAG). The agencies approved the PAM in a letter dated December 8, 1994. The approval letter does not state if the Table 5-1 milestones supersede the enforceable milestones listed in the Colorado Department of Public Health and Environment (CDPHE) letter dated May 11, 1994. Therefore, the Department of Energy (DOE) is assuming that the Leachate Collection milestones in the May 11, 1994 letter are superseded by the milestones listed in Table 5-1 of the PAM.

For your information, the DOE is providing a list of all OU 7 Table 6 milestones that have either remained unchanged or been revised, added, or deleted. Accompanying this list is the DOE and CDPHE correspondence supporting the changes (Enclosure 2). Please note that in several instances, wording of the milestones was changed by CDPHE. These changes are noted in the comment section in bold print. The DOE concurs with all milestone changes except for the wording of item number 457 in which CDPHE excluded the Responsiveness Summary. This milestone should remain consistent with the wording in Table 6 of the IAG to state "Summit Final Phase I Interim Measures/Interim Remedial Action Decision Document *and Responsiveness Summary*."

Reviewed for Addressee  
Corres Control RFP

3-9 95 RDM  
DATE BY

Ref Ltr #

OE ORDER # 5400.1

A-0407-000238

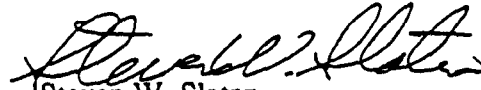
M Hestmark & J Schiefelin  
95-DOE-08211

2

MAR 8 1995

If you have any questions, please contact me at 966-4839.

Sincerely,



Steven W. Slaten  
IAG Project Coordinator  
Environmental Restoration

Enclosures

cc w/ Enclosures.

J Alquist, EM-452, HQ

A Duran, EPA

C Spreng, CDPHE

cc w/ Enclosure 2

H Belancan, EM-453, HQ

L Eckman, EM-453, HQ

K Klein, OOM, RFFO

J Roberson, AMER, RFFO

F Lockhart, DAMER, RFFO

J Wienand, ER, RFFO

V Witherill ER, RFFO

P Witherill, ER, RFFO

D Lindsay, OCC, RFFO

D Sargent, SPA, RFFO

S Suger, EG&G

E Mast, EG&G

L Peterson-Wright, EG&G

Admin Record

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
	<b>OU7 PRESENT LANDFILL PHASE 1</b>			
	<b>RFI/RI</b>			
Need # from DOE/SPA	Submit Draft Phase I RFI/RI Work Plan	6/8/90	6/8/90	Milestone met per DOE submittal 90-DOE-6803 dated 6/8/90 - Closed
Need # from DOE/SPA	Submit Final Phase I RFI/RI Work Plan	8/28/91	8/28/91	Milestone met per DOE submittal 91-DOE-6984 dated 8/28/91 - Closed
446	Submit Draft Phase I RFI/RI Report	10/12/93	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
447	Submit Final Phase I RFI/RI Report	3/16/94	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
Need # from DOE/SPA	Submit Draft Revised Phase I Work Plan TM*	5/23/94	5/24/94	New milestone added per letter from CDH on 5/11/94 Closed per submittal from DOE 94 DOE-05906 dated 5/24/94 - Closed
Need # from DOE/SPA	Submit Final Revised Phase I Work Plan TM*	9/8/94	9/8/94	New milestone added per letter from CDH on 5/11/94 Closed per submittal from DOE 94-DOE-09476 dated 9/8/94 - Closed
	<b>OU7 PRESENT LANDFILL PHASE I</b>			
	<b>IM/IRA</b>			
449	Submit Draft Phase I Proposed IM/IRA Decision Document	11/1/94	8/31/95	Milestone date revised per letter from CDH 94-14698 dated 10/21/94 - Open
	<b>Submit Draft Phase I IM/IRA Decision Document</b>			(NOTE: CDH letter changed wording from Table 6 of IAG to exclude the word "Proposed")
455	Submit Final Phase I Proposed IM/IRA Decision Document	4/6/95	1/5/96	Milestone date revised per letter from CDH 94-14698 dated 10/21/94 - Open
	<b>Submit Draft Final Phase I IM/IRA Decision Document</b>			(NOTE: CDH letter changed wording from Table 6 of IAG to add the word "Draft" and to exclude the word "Proposed")
456	Submit IM/IRA Responsiveness Summary	8/14/95	4/1/96	Milestone date revised per letter from CDH 94-14698 dated 10/21/94 - Open

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
457	Submit Final Phase I IM/IRA Decision Document and Responsiveness Summary <i>Submit Final Phase I IM/IRA Decision Document</i>	11/9/95	6/18/96	Milestone date revised per letter from CDH 94-14698 dated 10/21/94 - Open (NOTE CDH letter changed wording from Table 6 of IAG to exclude "Responsiveness Summary")
458	Submit IM/Design Work Plan	12/13/95	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
626	Submit Draft IM Title II Design	5/30/96	5/30/96	New milestone added per letter from CDH 94-14698 dated 10/21/94 - Open
459	Submit Phase I IM/IRA Implementation Document	8/13/96	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
461	Submit IM Title II Design <i>Submit Final IM Title II Design</i>	12/12/96	9/27/96	Milestone date and wording revised per letter from CDH 94-14698 dated 10/21/94 - Open (NOTE. CDH letter changed wording from Table 6 of IAG to "Submit Final IM Title II Design")
464	Begin Phase I IM/IRA Construction	7/17/97	6/10/97	Milestone date revised per letter from CDH 94-14698 dated 10/21/94 - Open
	OU7 PRESENT LANDFILL PHASE II RFI/RI			
448	Submit Draft Phase II RFI/RI Work Plan	9/13/94	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
450	Submit Final Phase II RFI/RI Work Plan	2/15/95	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
460	Submit Draft Phase II RFI/RI Report	9/9/94	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
462	Submit Final Phase II RFI/RI Report	2/11/97	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
	<b>OU7 PRESENT LANDFILL PHASE II CMS/FS</b>			
463	Submit Draft Phase II CMS/FS Report	5/9/97	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
465	Submit Final Phase II CMS/FS Report	11/4/97	Deleted	Milestone deleted per letter from CDH 94-14698 dated 10/21/94 - Closed
	<b>OU7 PRESENT LANDFILL PHASE II CORRECTIVE AND REMEDIAL ACTION PP</b>			
466	Submit Draft Phase II PP	11/4/97	11/4/97	Proposed for deletion by DOE on 5/23/94, 94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open
467	Submit Final Phase II PP	2/10/98	2/10/98	Proposed for deletion by DOE on 5/23/94, 94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open
468	Submit Phase II Responsiveness Summary	6/15/98	6/15/98	Proposed for deletion by DOE on 5/23/94, 94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open
469	Submit Final Phase II Responsiveness Summary	9/10/98	9/10/98	Proposed for deletion by DOE on 5/23/94, 94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
	<b>OU7 PRESENT LANDFILL PHASE II CAD/FAD</b>			
470	Submit Draft Phase II CAD/FAD  <i>Submit Draft Phase II CAD/ROD</i>	9/10/98	9/10/97	Milestone date and wording revised per letter from CDH 94-14698 dated 10/21/94 (NOTE CDH letter changed wording from Table 6 of IAG to "Submit Draft Phase II CAD/ROD")
471	Submit Final Phase II CAD/FAD  <i>Submit Final Phase II CAD/ROD</i>	12/10/98	3/25/98	Milestone date and wording revised per letter from CDH 94-14698 dated 10/21/94 (NOTE. CDH changed wording from Table 6 of IAG to "Submit Final Phase II CAD/ROD")
	<b>OU7 PRESENT LANDFILL PHASE II CD/RD</b>			
477	Submit CD/RD Work Plan	12/10/98	12/10/98	Proposed for deletion by DOE on 5/23/94, #94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open
478	Submit Draft Title II Design	8/11/99	8/11/99	Proposed for deletion by DOE on 5/23/94, #94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open
480	Submit Final Title II Design	11/9/99	11/9/99	Proposed for deletion by DOE on 5/23/94, #94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated 10/21/94 - Open

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
481	OU7 PRESENT LANDFILL PHASE II CA/RA Begin CA/RA Construction	6/14/2000	6/14/2000	Proposed for deletion by DOE on 5/23/94, #94-DOE-05371 Deletion is contingent upon results of IM/IRA per letter from CDH 94-14698 dated - Open
	OU7 LEACHATE COLLECTION IM/IRA* Submit Preliminary Draft IM/IRA to CDH/EPA*	10/13/94	10/14/94	New milestone added per letter from CDH on 5/11/94 IM/IRA replaced with PAM Closed per submittal of Draft PAM 94-DOE-10686 dated 10/14/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestones in PAM replace this milestone - Closed
Need # from DOE/SPA	Release Final Draft IM/IRA for Public Comment*	11/25/94	10/19/94	New milestone added per letter from CDH on 5/11/94 IM/IRA replaced with PAM Closed per presentational public at the Environmental Information Meeting held on 10/19/94 (See 94-DOE-10686 dated 10/14/94) DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestones in PAM replace this milestone - Closed
Need # from DOE/SPA	Submit Final RS and IM/IRA to CDH/EPA*	3/8/95	11/29/94	New milestone added per letter from CDH on 5/11/94 IM/IRA replaced with PAM Closed per submittal of Final PAM 94-DOE-12187 dated 11/29/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestones in PAM replace this milestone - Closed

March 8, 1995



# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
Need # from DOE/SPA	Release Final RS and IM/IRA*	3/22/95	11/29/94	New milestone added per letter from CDH on 5/11/94 IM/IRA replaced with PAM Closed per submittal of Final PAM 94-DOE-12187 dated 11/29/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestones in PAM replace this milestone - Closed
	OU7 PROPOSED ACTION MEMORANDUM*			
Need # from DOE/SPA	Submit PAM to CDPHE/EPA/Public*	10/13/94	10/14/94	New milestone added per Table 5-1 of the PAM IM/IRA replaced with PAM Closed per submittal of draft PAM 94-DOE-10686 dated 10/14/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestone in PAM replaces the milestone in CDH letter dated 5/11/94 "Submit Preliminary Draft IM/IRA to CDH/EPA " - Closed
Need # from DOE/SPA	Receive comments*	11/14/94	11/14/94	New milestone added per Table 5-1 of the PAM IM/IRA replaced with PAM Closed per submittal of comments from the agencies 94-15540 dated 11/14/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestone in PAM replaces the milestone in CDH letter dated 5/11/94 "Submit Final Draft IM/IRA for Public Comment " - Closed

# OU7 - PRESENT LANDFILL

## IAG MILESTONES

DOE/SPA Tracking Number	Table 6 Description	Table 6 Date	Current Date	Comment
Need # from DOE/SPA	Submit Final PAM & Response Summary to CDPHE/EPA/DOE*	11/30/94	11/30/94	New milestone added per Table 5-1 of the PAM Closed per submittal of Final PAM 94-DOE-12187 dated 11/29/94 (NOTE No comments received from the public) DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestone in PAM replaces the milestone in CDH letter dated 5/11/94 "Submit Final RS and IM/IRA to CDH/EPA " - Closed
Need # from DOE/SPA	Approval of PAM*	12/14/94	12/14/94	New milestone added per Table 5-1 of the PAM Closed per agency approval of the Final PAM 94-16939 dated 12/8/94 DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5 1 milestone in PAM replaces the milestone in CDH letter dated 5/11/94 "Release Final RS and IM/IRA " - Closed
Need # from DOE/SPA	Begin Construction*	5/15/95	5/15/95	New milestone added per Table 5-1 of the PAM DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestone in PAM replace IM/IRA milestones from CDH letter dated 5/11/94 - Open
Need # from DOE/SPA	Begin Seep Collection*	8/16/95	8/16/95	New milestone added per Table 5-1 of the PAM DOE letter to CDH 95-DOE-08211 dated 3/8/95 confirmed Table 5-1 milestone in PAM replace IM/IRA milestones from CDH letter dated 5/11/94 - Open

\* This milestone was not part of the original Table 6 milestones in the IAG



ROCKY FLATS OFFICE  
P. O. BOX 928  
GOLDEN, COLORADO 80402-0928

JUN 14 1990

95-DOE-08211  
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JUN 08 1990

90 DOE 6803

TAG No. 133

Mr. David C. Shelton, Director  
Hazardous Material & Waste Management Division  
Colorado Department of Health  
4210 East 11th Avenue  
Denver, Colorado 80220

Mr. Robert C. Duprey, Director  
Waste Management Division  
U.S. Environmental Protection Agency, Region VIII  
999 18th Street, Suite 500, 8WM-C  
Denver, Colorado 80202-2405

Gentlemen:

We are submitting four of the five Operable Unit 3 (OU3) Draft Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Workplans pursuant to the Draft Interagency Agreement schedules and the May 4, 1990, request for extension. These four Draft Phase I RFI/RI Workplans, due June 8, 1990, include: (1) Original Process Waste Lines (two volumes), (2) Present Landfill and Inactive Hazardous Waste Storage Area (two volumes), (3) Solar Evaporation Ponds, and (4) West Spray Field. The fifth OU3 RFI/RI Workplan, for the Other Outside Closures, is due July 19, 1990.

Should you have any questions please contact me or have your staff contact Richard Schnassburger of my staff at 966-4888.

Sincerely,

David Simonson, Acting Assistant Manager  
Environmental Management

4 Enclosures

cc w/o Enclosures:

T. Olsen, DOE

R. Schnassburger, DOE

T. Greengard, EG&G /

M. Hestmark, EPA

N. Matsura, CDH

D-QU04-000000



Department of Energy

ROCKY FLATS OFFICE  
P O BOX 928  
GOLDEN COLORADO 80402-0928

95-DOE-08211  
Enc. 2/p 9

AUG 28 1991

Mr. Martin Hestmark  
U S Environmental Protection Agency, Region VIII  
ATTN. Rocky Flats Project Manager, 8HWM-RI  
999 18th Street, Suite 500, 8WM-C  
Denver, Colorado 80202-2405

91-DOE-6984

Mr Gary Baughman  
Hazardous Waste Facilities Unit Leader  
Colorado Department of Health  
4210 East 11th Avenue  
Denver, Colorado 80220


Gentlemen:

Enclosed for your review is the Draft Final RFI/RI Work Plan for the Rocky Flats Plant Present Landfill IHSS 114 and Inactive Hazardous Waste Storage Area IHSS 203 - Operable Unit No 7 This meets the IAG schedule date of August 28, 1991 for your review period August 29, 1991 through September 27, 1991

As a result of extensive agency comments and subsequent scoping meetings, this document is substantially revised from the first draft submitted on June 4, 1990

If you have any questions, please feel free to contact Robert H Burk of my staff at 966-5921.

Sincerely,

  
David P Simonson  
Assistant Manager  
for Environmental Management

Enclosure

# STATE OF COLORADO

## COLORADO DEPARTMENT OF HEALTH

*Dedicated to protecting and improving the health and environment of the people of Colorado*

4300 Cherry Creek Dr. S. Laboratory Building  
Denver, Colorado 80222-1530 4210 E. 11th Avenue  
Phone (303) 692-2000 Denver, Colorado 80220-3716  
(303) 691-4700



Roy Romer  
Governor

Patricia A. Nolan, MD, MPH  
Executive Director

May 11, 1994

Mr. Richard J. Schassburger  
U.S. Department of Energy  
Rocky Flats Office, Building 116  
P.O. Box 928  
Golden, Colorado 80402-0928

**RE: Landfill Leachate Collection IM/IRA**

Dear Mr. Schassburger,

We are in receipt of your May 5, 1994 correspondence (94-DOE-05009), proposing milestones for the separate Leachate Collection IM/IRA at OU7. This letter serves to formalize these milestones, which will be enforced under the terms of the existing LAG. They are as follows:

- |                                                  |                   |
|--------------------------------------------------|-------------------|
| 1. Submit Preliminary Draft IM/IRA to CDH/EPA    | October 13, 1994  |
| 2. Release Final Draft IM/IRA for Public Comment | November 25, 1994 |
| 3. Submit Final RS and IM/IRA to CDH/EPA         | March 8, 1995     |
| 4. Release Final RS and IM/IRA                   | March 22, 1995    |

Because the closure for the OU7 Landfill is progressing under a separate, but parallel, IM/IRA, the Leachate Collection system must be designed so that it will not hinder, and will complement and integrate with, the final long-term closure remedy for OU7. Implementation milestones for the Leachate Collection IM/IRA will be revisited after release of the Final IM/IRA.

If you have any questions regarding these matters, please call Dave Norbury of my staff at 692-3415.

Sincerely,

Gary W. Baughman, Chief  
Facilities Section  
Hazardous Waste Control Program

cc: Bill Fraser, EPA  
Arturo Duran, EPA  
Jen Pepe, DOE  
Tim O'Rourke, EG&G  
Laura Perrault, AGO  
Steve Tarlton, RFPU



Department of Energy

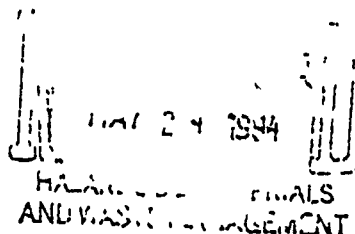
ROCKY FLATS OFFICE  
P O BOX 928  
GOLDEN COLORADO 80402-0928

MAY 24 1994

94-DOE-05906

Mr. Martin Hestmark  
U. S. Environmental Protection Agency, Region VIII  
ATTN: Rocky Flats Project Manager, 8HWM-RI  
999 18th Street, Suite 500, 8WM-C  
Denver, Colorado 80202-2405

Mr. Gary Baughman  
Hazardous Waste Facilities Unit Leader  
Colorado Department of Health  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530



Gentlemen

Enclosed is the Draft Revised Field Sampling Plan (FSP) for Operable Unit No. 7 for your review and approval. Submitting the Draft FSP fulfills two of the original Interagency Agreement Milestones, the Phase I Resource Conservation and Recovery Facility Investigation/Remedial Investigation (RFI/RI) Report and the Phase II RFI/RI Work Plan. The work plan also fulfills the new (but not approved) rescope project milestone for the Revised Work Plan Technical Memorandum. If there are no major comments or concerns, we would appreciate an immediate conditional approval.

We look forward to continued cooperative efforts which will continue to improve the overall performance of our environmental restoration effort. Any specific questions relative to this project should be directed to Jen Pepe at 966-2184 or Dave George at 966-5669.

Sincerely,

Jessie Roberson  
Acting Assistant Manager for  
Environmental Restoration

Enclosure

cc w/o Enclosure.  
F. Lockhart, ER, RFFO  
J. Pepe, ER, RFFO  
D. George, ER, RFFO  
W. Busby, EG&G  
T. O'Rourke, EG&G

Submit Draft  
Revised Phase  
I Work Plan  
T.M.

CORRES CONTROL  
INCOMING LTR NO

03484 RF 94

DATE

ACTION

DIST	LTN/MC
BURLINGAME, A.H.	
BUSBY, W.S.	
CARNIVAL, G.J.	
CORDOVA, R.C.	
DAVIS, J.G.	
FERRERA, D.W.	
FRAY, R.E.	
GEIS, J.A.	
GLOVER, W.S.	
GOLAN, P.M.	
HANNI, B.J.	
HEALY, T.J.	
HEDAH, T.G.	
HILBIG, J.G.	
HUTCHINS, N.M.	
JACKSON, D.T.	
KELL, R.E.	
KUESTER, A.W.	
MARX, G.E.	
McDONALD, M.M.	
McKENNA, F.G.	
MORGAN, R.V.	
PIZZUTO, V.M.	
POTTER, G.L.	
SANDLIN, N.B.	
SATTERWHITE, D.G.	
SEITLOCK, G.H.	
STIGER, S.G.	
TOBIN, P.M.	
VOORHEIS, G.M.	
WILSON, J.M.	

~~Mast, E.~~ X

~~Peterson Wright, L.~~ X

~~Hollowell, L.~~ X

Rec'd w/o enclosures

CORRES CONTROL X X  
OMN RECORD/080 X 2  
TST130G

viewed for Addressee  
Corres Control RFP

9-9-94  
DATE BY

LT #

DE ORDER # 5400 1



Department of Energy

ROCKY FLATS OFFICE SEP 9 3 03 PM '94  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

SEP 8 1994

EC&G  
ROCKY FLATS PLANT  
CORRESPONDENCE (51) 94-DOE-09476

Mr Martin Hestmark  
U S Environmental Protection Agency, Region VIII  
ATTN Rocky Flats Project Manager, 8HWM-FF  
999 18th Street, Suite 500  
Denver, Colorado 80202-2405

Mr Joe Schieffelin, Unit Leader  
Hazardous Waste Facilities  
Colorado Department of Public Health and the Environment  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

Gentlemen

Enclosed is the final version of the Operable Unit No 7 (OU 7) Technical Memorandum (TM) (Revised Field Plan) for your review and approval. If there are no major comments or concerns, the Department of Energy (DOE) would appreciate an immediate concurrence.

Submittal and final approval of the TM satisfies two Table 6 Interagency Agreement milestones, submittal of the Phase I RCRA Facility Investigation/Remedial Investigation (RFI/RI) report and the Phase II RFI/RI Work Plan. These documents were combined through the Process Improvement Proposal (PIP) submitted on May 23, 1994.

Based on the schedule submitted in the PIP, the project has slipped approximately 68 days due to lengthy regulatory reviews. The DOE proposes that the schedule be rebaselined effective with the approval of this document. At that time, the DOE will submit a new schedule to the regulatory agencies and expect final approval of the PIP.

We look forward to your continued cooperative efforts. If you have any specific questions relative to OU 7, please contact Dave George at 966-5669.

Sincerely,

*Steven W. Slaten*

Steven W. Slaten  
IAG Project Coordinator  
Environmental Restoration

Submit  
final revised  
Phase I work  
Plan TM

Enclosure

Addressees  
94-DOE-09476

2

SEP 8 1994

cc w/Enclosure  
J. Ciocco, EM-453, HG

cc w/o Enclosure.  
M. Silverman, OOM, RFFO  
L. Smith, OOM, RFFO  
F. Lockhart, ER, RFFO  
S. Slaten, ER, RFFO  
D. George, ER, RFFO  
E. Mast, EG&G  
L. Peterson-Wright, EG&G



# STATE OF COLORADO

74-16939

STATION

MC

RECEIVED DATE

12/21

Romer, Governor  
A. Nolan, MD, MPH, Executive Director

U S D O E

RECEIVED MAILROOM



Colorado Department  
of Public Health  
and Environment

ated to protecting and improving the health and environment of the people of Colorado

HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

94 DEC 21 AM 10 37

VERMAN M

WILH L

JAMES J

ANDERSON T

AINARD JORDAN B

OCKMAN D

ITLER R

ANNODE G

TAUN R

AN C

AY M

IFFY G

ZETHEL T

ARGREAVES M

ARRINGTON P

JOEMANN K

LL G

ROL M S

WIS L

OSAY D

OXHART F

KOW T

ECORMICK M

LBURG T

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1 Cherry Creek Dr S  
er, Colorado 80222 1530  
ie (303) 692 3300  
303) 759-5355

222 S 6th Street, Room 232  
Grand Junction, Colorado 81501-2768  
Phone (303) 248-7164  
Fax (303) 248-7198

December 8, 1994

Steve Slaten  
LAG Project Coordinator-ER  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden CO 80402-0928

RE OU 7 Seep Collection and Treatment Proposed Action Memorandum

Dear Mr Slaten

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) and the Environmental Protection Agency (EPA) have reviewed this Proposed Action Memorandum (PAM) for OU 7. The Division, acting as lead agency for OU 7, approves the PAM with EPA's concurrence.

As a point of clarification, provisions for treatment of the seep water described in Section 3.1 must be resolved and proposed to the agencies within the timeframes outlined in Table 5-1. The Division and EPA also reiterate that actions proposed under PAMs are to be implemented within six months of the date when the parties agree that they are necessary and appropriate.

If you have any questions regarding these matters, please contact Carl Spreng at 692-3358.

Sincerely,

Joe Schieffelin, Unit Leader  
Rocky Flats LAG Unit  
Hazardous Waste Control Program

cc: Kurt Muenchow, DOE  
Laurie Peterson-Wright, EG&G  
Martin Hestmark, EPA  
Arturo Duran, EPA  
Laura Perault, AGO  
Steve Tarlton, RFPD

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Department of Energy

95-DOE-00211  
Enc. 2/p 14

ROCKY FLATS OFFICE  
P O BOX 928  
GOLDEN, COLORADO 80402-0928

OCT 14 1994

94-DOE-10686

Mr Martin Hestmark  
U S Environmental Protection Agency, Region VIII  
ATTN: Rocky Flats Project Manager, 8HWM-RI  
999 18th Street, Suite 500, 8WM-C  
Denver, Colorado 80202-2405

Mr Joe Schieffelin, Unit Leader  
Hazardous Waste Control Program  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

Gentlemen.

The Proposed Action Memorandum (PAM) outlining the seep collection at Operable Unit No. 7 Landfill is enclosed for your consideration. Submittal of this PAM satisfies condition 6(a) of the Resolution of the Senior Executive Committee dated April 15, 1994.

The PAM reflects an approach to seep collection and disposal as discussed with your staff.

The PAM will be presented to the public at the Environmental Information Meeting to be held on October 19, 1994.

If you have any questions or comments, please contact Kurt Muenchow at 966-2184

Sincerely,

Steven W Slaten  
IAG Project Coordinator  
Environmental Restoration

Enclosure

Submit  
PAM to  
CDPHE/EPA  
PUBLIC  
PAM

Submit  
Preliminary  
Draft IM/IRA  
to  
CDH/EPA  
Leachate

Release Final  
Draft IM/IRA  
for Public  
Comment  
Leachate

Addressees  
94-DOE-10686

2

OCT 14 1994

cc w/o Enclosure.  
J. Ciocco, EM-453, HQ  
M. Silverman, OOM, RFFO  
L. Smith, OOM, RFFO  
J. Roberson, AMER, RFFO  
F. Lockhart, ER, RFFO  
K. Muenchow, ER, RFFO  
G. Hill, EGD, RFFO  
T. Reeves, SAIC  
E. Mast, EG&G  
L. Peterson-Wright, EG&G

DOE/RFFO  
CORRESPONDENCE  
INCOMING LETTER

95-DOE-08211  
Enc 2/p. 16

# STATE OF COLORADO

Romer Governor  
via A. Nolan, MD, MPH Executive Director

ated to protecting and improving the health and environment of the people of Colorado

## HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

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Denver Colorado 80222 1530 Grand Junction Colorado 81501 2768  
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Fax (303) 759 5355 Fax (303) 248-7198



Colorado Department  
of Public Health  
and Environment

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October 21, 1994

Steve Slaten

IAG Project Coordinator-ER

Department of Energy

Rocky Flats Office

P O Box 928

Golden CO 80402-0928

RE: Operable Unit No. 7 Process Improvement Proposal

Dear Mr Slaten

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) and the Environmental Protection Agency (EPA) have reviewed the Process Improvement Proposal for OU 7. The Division, acting as lead agency for OU 7, makes the following comments and decisions, with EPA's concurrence

1. The issue of transferring IHHSs from OU 6 to OU 7 is deferred until associated impacts can be fully evaluated
2. The Division agrees to delete the following IAG Table 6 Milestones

Submit Draft Phase I RFI/RI Report  
Submit Final Phase I RFI/RI Report  
Submit Draft Phase II RFI/RI Work Plan  
Submit Final Phase II RFI/RI Work Plan  
Submit Draft Phase II RFI/RI Report  
Submit Final Phase II RFI/RI Report  
Submit Draft Phase II CMS/FS Report  
Submit Final Phase II CMS/FS Report  
Submit Draft Phase I IM/IRA Implementation Document  
Submit IM Design Work Plan

The remaining milestones proposed for deletion are contingent on the results of the IM/IRA. Their elimination is therefore deferred until completion of the IM/IRA.

MHS 37  
14693

ED by ADDRESSEE  
DATE

## STATE OF COLORADO

Kay Komer Governor  
Patricia A. Nolan MD MPH, Executive Director

*Dedicated to protecting and improving the health and environment of the people of Colorado*

## HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

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Denver, Colorado 80222 1530 Grand Junction Colorado 81501 2768  
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Colorado Department  
of Public Health  
and Environment

October 21, 1994

Steve Slaten  
IAG Project Coordinator-ER  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden CO 80402-0928

RE: Operable Unit No. 7 Process Improvement Proposal

Dear Mr Slaten

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) and the Environmental Protection Agency (EPA) have reviewed the Process Improvement Proposal for OU 7. The Division, acting as lead agency for OU 7, makes the following comments and decisions, with EPA's concurrence

- 1 The issue of transferring IHHSs from OU 6 to OU 7 is deferred until associated impacts can be fully evaluated
- 2 The Division agrees to delete the following IAG Table 6 Milestones
  - Submit Draft Phase I RFI/RI Report
  - Submit Final Phase I RFI/RI Report
  - Submit Draft Phase II RFI/RI Work Plan
  - Submit Final Phase II RFI/RI Work Plan
  - Submit Draft Phase II RFI/RI Report
  - Submit Final Phase II RFI/RI Report
  - Submit Draft Phase II CMS/FS Report
  - Submit Final Phase II CMS/FS Report
  - Submit Draft Phase I IM/IRA Implementation Document
  - Submit IM Design Work Plan

The remaining milestones proposed for deletion are contingent on the results of the IM/IRA. Their elimination is therefore deferred until completion of the IM/IRA.

MHS 27  
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As clarification the scope of the IM/IRA Decision Document should include

- 1 selection of landfill closure alternatives,
- 2 selection of groundwater collection and treatment alternatives,
- 3 conceptual design of proposed alternatives,
- 4 post-closure care monitoring plan,
- 5 wetlands mitigation

- 3 The Division approves the following revised Milestone dates

Submit Draft Phase I IM/IRA DD	August 31, 1995
Submit Draft Final Phase I IM/IRA DD	January 5, 1996
Submit IM/IRA Responsiveness Summary	April 1, 1996
Submit Final Phase I IM/IRA DD	June 18, 1996
Submit Final IM Title II Design	September 27, 1996
Begin Phase I IM/IRA Construction	June 10, 1997
Submit Draft Phase II CAD/ROD	September 10, 1997
Submit Final Phase II CAD/ROD	March 25, 1998

- 4 The Division approves the proposed new milestones

Submit Draft Revised Phase I Work Plan TM	May 23, 1994
Submit Final Revised Phase I Work Plan TM	September 8, 1994
Submit Draft IM Title II Design	May 30, 1996

If you have any questions regarding these matters, please contact Carl Spreng at 692-3358

Sincerely,



Joe Scheiffelin, Unit Leader  
Rocky Flats IAG Unit  
Hazardous Waste Control Program

cc Kurt Muenchow, DOE  
Laurie Peterson-Wright, EG&G  
Martin Hestmark, EPA  
Arturo Duran, EPA  
Laura Perault, AGO  
Steve Tarlton, RFPU

DOE/RFFO  
CORRESPONDENCE  
INCOMING LETTERRECEIVED  
U.S.D.O.E.  
STATE OF COLORADORomer Governor  
Michael A. Nolan MD, MPH Executive Director

R.F.O. - MAILROOM



Colorado Department of Public Health and Environment

94-15540

ACTION

MC

DUE DATE

11/18

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ADAMS J

ANDERSON T

BRAINARD JORDAN B

BROCKMAN D

BUTLER R

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CRAUN R

DAN C

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DUFFY G

GRETHEL T

HARGREAVES M

HARRINGTON P

HEIDEMANN K

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KAROL M S

LEWIS L

LINDSAY D

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Dedicated to protecting and improving the health and environment of the people of Colorado

HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION

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November 14, 1994

Steve Slaten  
IAG Project Coordinator-ER  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden CO 80402-0928

RE: Operable Unit No. 7 Proposed Action Memorandum

Dear Mr Slaten

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) and the Environmental Protection Agency (EPA) have reviewed the OU 7 Seep Collection and Treatment PAM

Our review has generated a few concerns which need clarification

- 1 The seep water should be double contained from the time it leaves the sump pump. This would require the 2-inch piping which delivers the water up to the tanks to be double-walled rather than single-walled.
- 2 The high-level alarm/pump shutoff should be positioned so that it will activate when there is 2 feet of freeboard remaining in the tanks
- 3 Has spill/drip containment at the tanks been planned?
- 4 Will the tanks be alternately emptied so that one can serve as contingency capacity? Will the two tanks be connected so that a full tank will overflow into the adjacent empty one?
- 5 Will it be necessary to drain the pond as stated in the assumption at the end of Section 3.1? Section 3.3 states that "minimal dewatering will be required"
- 6 Because the two tanks have a combined 45-day capacity, the 90-day storage limit for hazardous waste should not become a problem and the tanks will not need to

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DATE

# STATE OF COLORADO

Roy Romer, Governor  
Patricia A. Nolan MD, MPH, Executive Director

R F O. - MAILROOM



Colorado Department  
of Public Health  
and Environment

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HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION '94 NOV 18 AM 9 29

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Denver, Colorado 80222 1530 Grand Junction, Colorado 81501-2768  
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November 14, 1994

Steve Slaten  
IAG Project Coordinator-ER  
Department of Energy  
Rocky Flats Office  
P O Box 928  
Golden CO 80402-0928

RE: Operable Unit No. 7 Proposed Action Memorandum

Dear Mr Slaten

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- 3 Has spill/drip containment at the tanks been planned?
- 4 Will the tanks be alternately emptied so that one can serve as contingency capacity? Will the two tanks be connected so that a full tank will overflow into the adjacent empty one?
- 5 Will it be necessary to drain the pond as stated in the assumption at the end of Section 3.1? Section 3.3 states that "minimal dewatering will be required."
- 6 Because the two tanks have a combined 45-day capacity, the 90-day storage limit for hazardous waste should not become a problem and the tanks will not need to be

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permitted. However, DOE should be attentive to the 90-day limit and all other RCRA requirements for 90-day hazardous waste storage units.

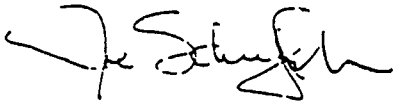
7 The 5 cubic yards of excavated material mentioned in Section 3.3 must be containerized, characterized, and disposed in a manner which follows the protocol for investigation-derived waste.

8 To simplify the determination of performance standards, particularly in light of ongoing discussions of ARARs, adjust the language in Section 3.1 to require that the collected seep water be treated at the OU2 Treatment Facility and assure that that facility maintains its effluent standards. Table 3-1 and references to it can then be removed to avoid any confusion.

Our review has otherwise determined that the referenced PAM is technically and regulatorily complete and the proposed actions are therefore approved pending clarification of the items listed above and resolution of any comments from the public.

If you have any questions regarding these matters, please contact Carl Spreng at 692-3358.

Sincerely,



Joe Scheiffelin, Unit Leader  
Rocky Flats IAG Unit  
Hazardous Waste Control Program

cc Kurt Muenchow DOE  
Laurie Peterson-Wright, EG&G  
Martin Hestmark, EPA  
Arturo Duran, EPA  
Laura Perault AGO  
Steve Tarlton RFPU



Department of Energy

95-DOE-08211  
Enc. 2/p. 22

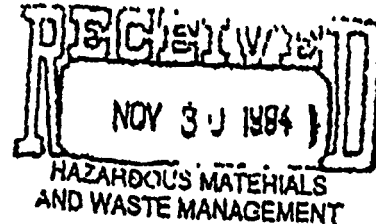
ROCKY FLATS FIELD OFFICE  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

NOV 29 1994

94-DOE-12187

Mr. Martin Hestmark  
U. S. Environmental Protection Agency, Region VIII  
ATTN: Rocky Flats Project Manager, 8HWM-PP  
999 18th Street, Suite 500  
Denver, Colorado 80202-2405

Mr. Joe Schieffelin  
Hazardous Waste Facilities Unit Leader  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530



Gentlemen:

Enclosed for your approval is the Final Proposed Action Memorandum (PAM) for Scep Collection and Treatment at Operable Unit (OU) No. 7. Appendix A of the OU 7 PAM includes the Responsiveness Summary response to comments.

No comments were received from the public. Therefore, the Responsiveness Summary consists solely of responses to comments from the Environmental Protection Agency and the Colorado Department of Public Health and Environment. These responses to agency comments are consistent with our staff discussions via the consultative process used in developing the PAM.

The Department of Energy requests either approval, comments, or notification of review extension by December 12, 1994.

If you have any questions or concerns, please contact Kurt Muenchow at 966-2184.

Sincerely,

Steven W. Slaten  
IAG Project Coordinator  
Environmental Restoration

Enclosure

*Leachate  
Submit final  
RS and  
IM/IRA  
to CDH/EPA*

*Submit final  
PAM & Response  
Summary to  
CDPHE/EPA/DOE  
PAM*